

Offshore Stats

A quarterly update of OCS-related natural gas and oil information

These statistics are preliminary and are subject to change. However, they do accurately represent OCS activity levels as of the end of the quarter.

National Trends

Total petroleum imports averaged 9.2 million barrels in the third quarter of 1995. This was almost the same as the average a year ago. Petroleum products supplied for domestic use for the third quarter averaged 17.7 million barrels per day—down slightly from the rate a year ago. [*Monthly Energy Review, Nov. 1995 issue.*]

Crude oil prices for the third quarter of 1995 averaged as follows: West Texas Intermediate (WTI) crude averaged \$16.84 per barrel, Saudi Arabian Light (SAL) averaged \$15.89, and Alaska North Slope (ANS) averaged \$12.36. For the same period in 1994, the prices were WTI \$18.34, SAL \$16.72, and ANS \$10.92.

[Prices based on quotes from the *Oil & Gas Journal*.]

OCS Trends

Geological and geophysical activity in the third quarter of 1995 was down compared to the same quarter in 1994. Exploration drilling averaged 28 wells, reflecting a slight change from 27 a year ago. Development drilling was down, averaging 47 wells per month compared to the 36 for the same period last year.

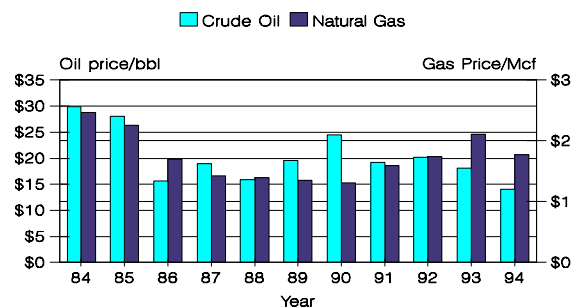
Existing leases as of June 1995 totaled 5,093, down from the 5,472 of a year ago. Of the 5,172 existing leases today, 1,626 are producing compared to 1,570 of a year ago.

Platform installations exceeded removals by 31, with 55 platforms being installed and 24 being removed during the third quarter of 1995. The year-to-date total for installations is 106; for removals the total is 54.

All production figures for the third quarter are not in yet because of the normal 3–4 month lag in the reporting system. (*See the production table on page 2 for production reported thus far.*)

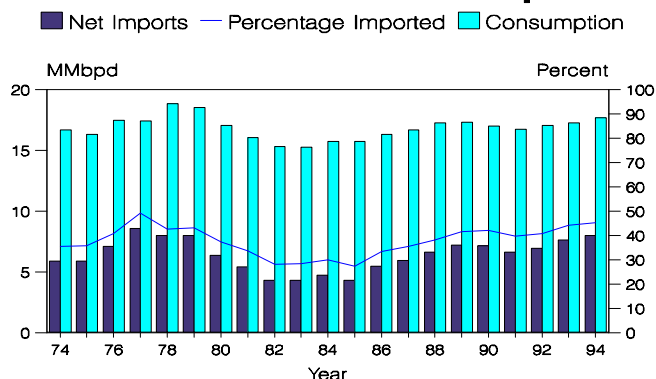
WE NEED YOUR HELP! Please see the Customer Response Request on the last page of this newsletter. Thanks to those who have already responded.

Prices of Crude Oil and Natural Gas



Sources: Wall Street Journal and DOE/EIA.
Note: Price for crude oil based on West Texas Intermediate.
Price for natural gas based on State Agency average of MS, NM, OK, and TX.

U.S. Crude Oil: Consumed & Imported



Sources: DOE/EIA

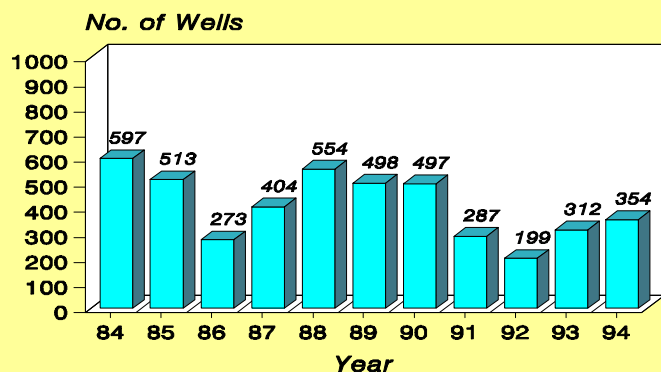
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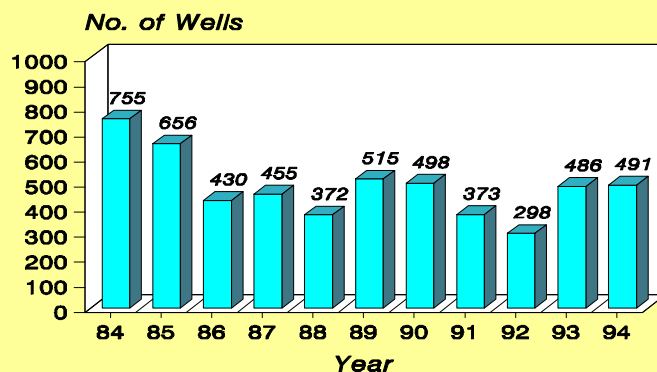
Drilling—National OCS Monthly Data

Wells Started	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
• Exploratory:													
1995.....	24	18	16	22	24	20	43	16	19				202
1994.....	11	24	30	34	41	42	22	38	20	39	26	27	354
• Development:													
1995.....	43	28	39	40	38	55	58	46	30				377
1994.....	34	39	41	42	48	47	40	36	38	42	39	45	491

**Exploratory Wells Drilled on the OCS
1984-94**



**Development Wells Drilled on the OCS
1984-94**

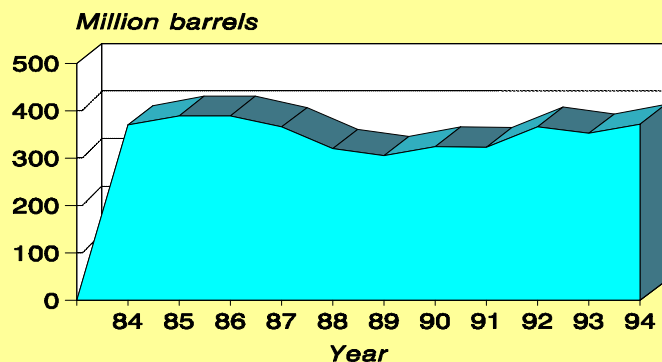


Production [Total volume]

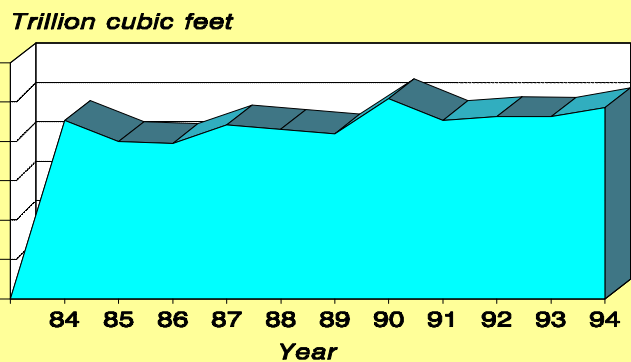
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
Crude Oil & Condensate Combined (million barrels—MMbbl)													
1995	56.26	26.83	34.50	34.05	36.46	35.10	35.10	33.28	*				291.58
1994	30.97	27.99	28.88	29.01	30.44	30.33	31.06	31.76	31.59	32.67	32.08	33.60	372.02
Gas Well Gas & Casinghead Gas Combined (billion cubic feet—Bcf)													
1995	422.18	371.68	409.39	405.16	424.43	408.42	667.06	384.43	*				3,492.75
1994	419.30	385.76	429.37	414.71	425.68	403.97	410.44	410.57	379.26	386.72	399.78	403.72	4,869.28

*Production data not available at this time due to the 3-4 month lag in reporting production.

**Federal Offshore Crude Oil and
Condensate Production, 1984-94**



**Federal Offshore Natural Gas
Production, 1984-94**

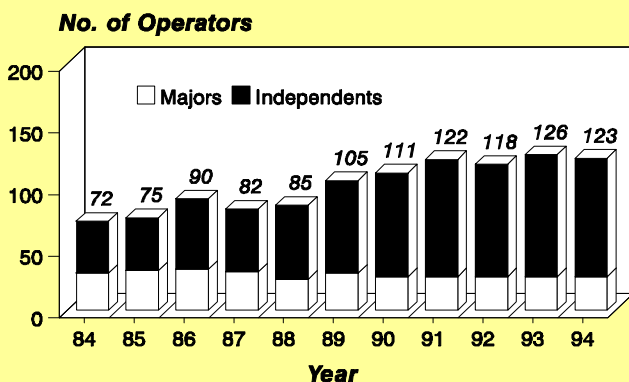


Regional—OCS Quarterly Data

	Alaska		Atlantic		Gulf of Mexico		Pacific		Total	
	Qtr.	YTD	Qtr.	YTD	Qtr.	YTD	Qtr.	YTD	Qtr.	YTD
Prelease Activities:										
G & G Permits Approved	0	0	0	0	29	79	0	0	29	79
Request for Interest	0	0	0	0	0	0	0	0	0	0
Call for Information/Comments	0	0	0	0	2	2	0	0	2	2
Area Identification	0	0	0	0	0	0	0	0	0	0
Draft EIS (Published)	0	0	0	0	0	0	0	0	0	0
Final EIS (Published)	0	0	0	0	0	0	0	0	0	0
Proposed Notice of Sale	0	0	0	0	2	2	0	0	2	2
Notice of Sale	0	0	0	0	1	1	0	0	1	1
Sales	0	0	0	0	1	1	0	0	1	1
Postlease Activities:										
Exploration Plans Approved (Initial*)	0	0	0	0	35	140	0	0	35	140
Exploration Plans Approved (All)	0	0	0	0	75	258	0	0	75	258
Exploration Well Starts	0	0	0	0	66	124	0	0	66	124
Boreholes Plugged & Abandoned	0	0	0	0	38	96	0	0	38	96
APD's Approved	0	0	0	0	128	404	4	13	132	417
Development Plans Approved (Initial*) . . .	0	1	0	0	30	56	0	0	30	57
Development Plans Approved (All)	0	0	0	0	74	128	1	5	75	133
Development Well Starts	0	0	0	0	129	233	4	10	133	243
Platform Installations	0	0	0	0	20	51	0	0	20	51
Platforms—In place	0	0	0	0	3,791	NA	23	NA	3,814	NA
Platform Removals	0	0	0	0	8	30	0	0	8	30
Platform Approvals	0	0	0	0	32	63	0	0	32	63
SOP's Approved	0	0	0	0	42	80	0	0	42	80
Current Status of Prelease & Postlease Activities:										
As of Sept. 30, 1995										
Existing Leases		79		53	** 5,008			85	5,225	
<200 meters		79		0	3,527			32	3,638	
200–400 meters of water		0		0	192			30	222	
400–900 meters of water		0		14	300			23	337	
>900 meters of water		0		39	872			0	911	
Acres under lease (millions)		0.37		0.30	24.07			0.43	25.17	
Producing Leases		0		0	*** 1,583			43	1,626	
Fields (Total)		0		0	712			38	750	
Producing		0		0	662			11	673	
Non-Producing		0		0	50			27	77	

NA—The YTD column does not apply because the number of platforms in place changes monthly.
 * Does not include reviews of initial plan submittals, required plan revisions, draft plans before they are officially deemed complete, or requests to modify or waive a previously approved plan condition.
 ** Includes 5 sulphur leases and 1 salt lease. *** Includes 3 sulphur leases.

Operators Producing Oil & Gas on the OCS 1984-94

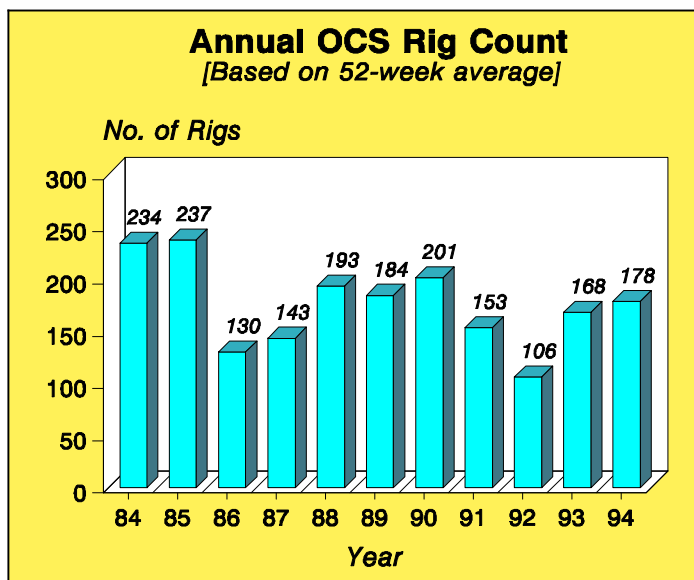


Operators and Producing Facilities 1994 Year End

No. of Operators*	No. of Producing Facilities Per Operator
57	<5
23	5–10
19	11–20
23	21–50
6	51–75
10	>75

*Includes all operators (producing and nonproducing).
 One operator has 637 platforms; 30 have only 1 platform.

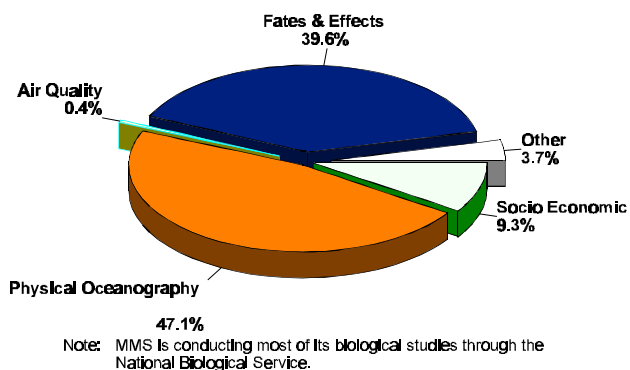
Rigs & Production Platforms



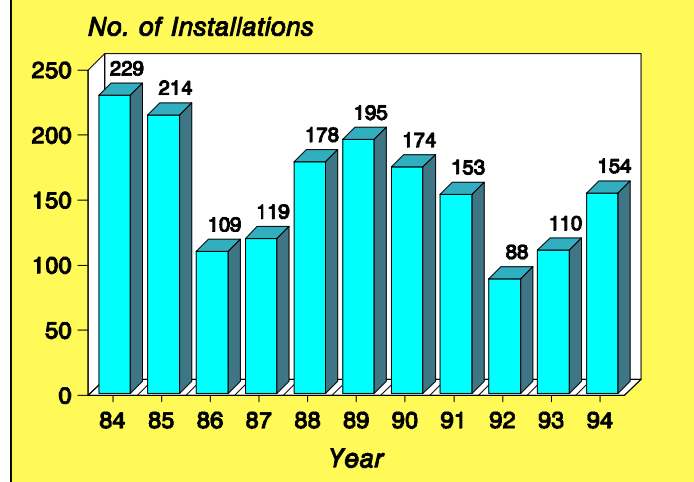
Environmental Studies Program

Planned FY '95 Expenditures

Percentage by Topic

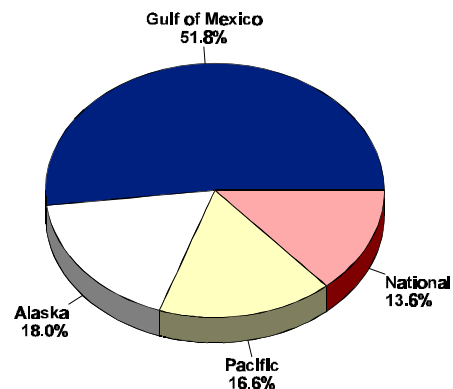


OCS Production Platform Installations

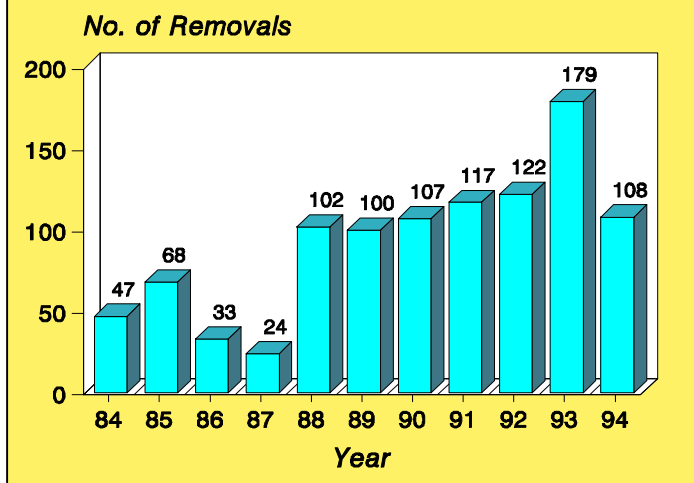


Planned FY '95 Expenditures

Percentage by Region

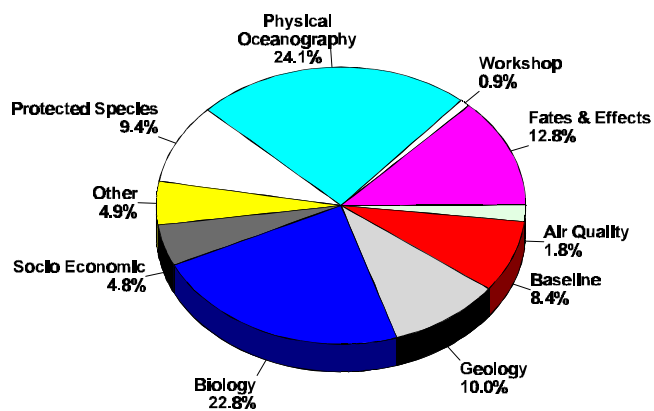


OCS Production Platform Removals



Total FY 1973-1994 Expenditures

Percentage by Topic

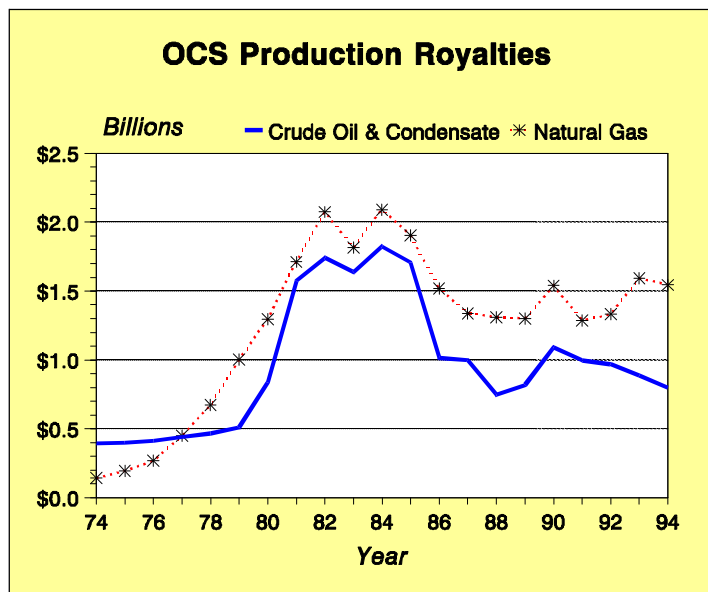
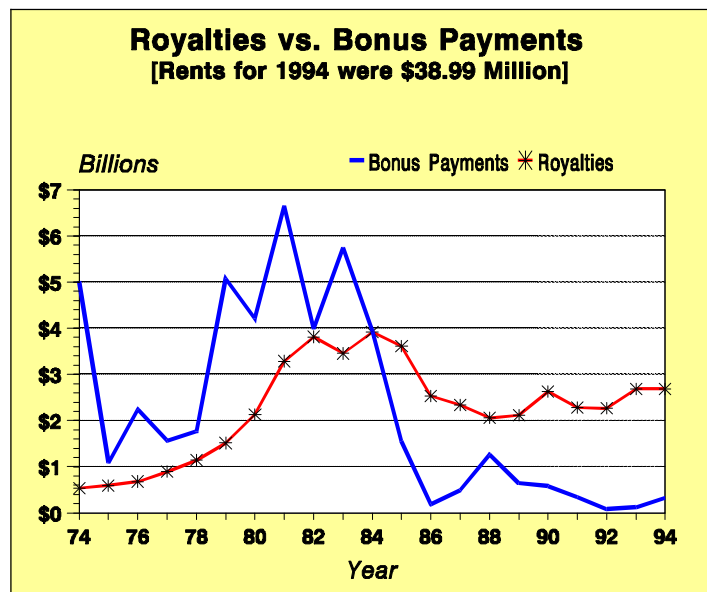


Inspections, Compliance & Training

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total YTD
Inspections:													
OCS drilling facilities	102	80	104	97	114	156	115	146	101				1,015
OCS production facilities	288	392	274	416	378	437	436	370	403				3,394
Pipeline inspections	123	153	83	119	101	119	177	140	190				1,205
Measurement/Site Security	132	289	228	302	360	448	353	297	278				2,687
Workover/Completion	40	30	41	44	47	70	50	74	48				444
Abandonment	2	5	2	7	4	5	3	11	1				40
Environmental	13	20	24	49	55	63	47	56	37				364
Compliance:													
Citations (INC's*)	240	268	252	351	519	632	610	484	316				3,672
Enforcements:													
Component shut-ins	135	128	103	202	250	250	323	195	113				1,699
Drilling facility shut-ins	1	4	6	2	14	8	12	14	11				72
Production facility shut-ins	3	14	4	7	15	17	12	13	8				93
Training:													
Certified schools	58	53	52	52	52	53	57	57	57				NA
Total Certificates Issued	2,289	2,279	3,207	2,014	2,270	1,739	1,482	2,167	2,127				19,574
Driller	872	1,197	1,396	840	926	614	564	807	818				8,034
Completion/Workover	640	795	827	475	588	448	435	594	678				5,480
Well servicing	451	457	500	305	338	322	252	448	311				3,384
Production safety system	326	330	484	394	418	355	231	318	321				3,177

Note: Subpart O lessee training regulations became effective February 25, 1991.
NA—Not applicable.
 * Incidents of Noncompliance.

OCS Revenue Contributions



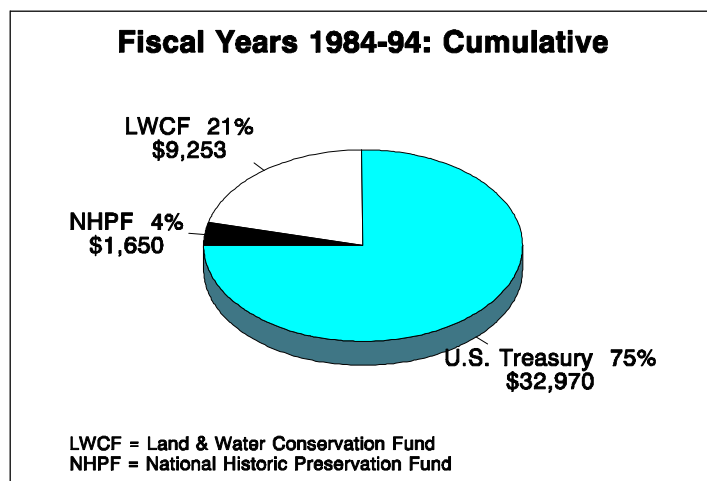
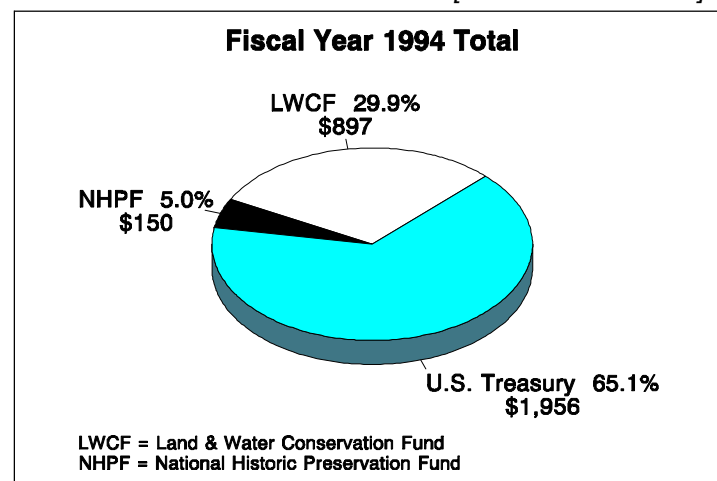
OCS Revenues—Rents & Royalties [in millions of dollars]

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
Rental:													
199522	.10	.70	6.84	2.11	12.35	2.21	5.37	3.98				33.88
199433	.19	.43	11.97	3.90	6.81	1.79	.97	6.20	1.60	3.60	1.18	38.97
Royalty:													
1995 . . .	185.28	195.40	160.95	184.56	186.38	208.66	199.09	190.00	172.58				1,682.90
1994 . . .	203.48	217.22	200.35	240.93	340.73	199.67	211.37	195.50	215.63	178.39	148.10	188.70	2,540.07

Disbursements—Section 8(g) by State [in thousands of dollars]

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
AL:													
1995 . . .	518.04	659.71	583.91	512.27	389.43	552.90	594.99	672.37	567.34				5,050.96
1994 . . .	418.58	2,017.84	703.55	1,380.50	6.06	830.97	713.11	608.57	496.58	662.00	191.92	917.56	8,947.24
• AK:													
1995 . . .	4.98	0.00	0.00	0.00	0.00	0.00	0.00	6.15	0.00				11.13
1994 . . .	0.00	20.00	0.00	9,393.10	0.00	22.85	1.97	4.58	4.11	0.00	18.64	0.2	9,445.45
• CA:													
1995 . . .	440.25	391.96	446.16	412.22	404.65	487.56	505.77	443.65	293.46				3,825.68
1994 . . .	399.52	253.18	201.85	20,501.00	220.70	314.38	394.88	332.86	494.83	504.98	428.33	402.40	24,448.91
• FL:													
1995 . . .	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
1994 . . .	10.10	0.00	4.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.21
• LA:													
1995 . . .	634.33	683.67	609.82	808.88	548.43	682.52	728.75	855.23	659.78				6,211.41
1994 . . .	751.84	795.60	703.99	10,225.83	1,692.29	1,383.98	1,018.88	1,064.02	755.33	684.21	664.77	574.41	20,335.15
• MS:													
1995 . . .	0.00	0.00	0.00	9.81	31.08	21.55	9.98	35.64	19.21				127.27
1994 . . .	0.00	0.00	0.00	153.08	15.83	24.88	113.66	119.18	25.30	0.00	0.00	0.00	451.93
TX:													
1995 . . .	549.75	737.18	584.26	723.08	461.11	506.32	704.04	598.27	722.48				5,586.49
1994 . . .	788.19	904.83	932.90	10,237.19	950.94	873.07	872.03	846.64	661.66	1,122.60	1,312.31	607.18	20,109.54

Other Disbursements [in millions of dollars]



Deepwater Discoveries in the Gulf of Mexico

[Asterisk after block number denotes producing discovery]				
<i>Name</i>	<i>Area</i>	<i>Block</i>	<i>Depth (ft)</i>	<i>Operator</i>
Coulomb	Mississippi Canyon	657	7520	Shell Offshore
(no prospect name)	Desoto Canyon	133	6530	Amoco
Mensa	Mississippi Canyon	731	5400	Shell Offshore
Diana	East Banks	945	4645	Exxon
Fuji	Green Canyon	506	4243	Texaco
Ursa	Mississippi Canyon	854	4020	Shell
Vancouver	Green Canyon	472	3780	Shell Offshore
Allegheny	Green Canyon	254	3225	Exxon
Gemini	Mississippi Canyon	101	3393	Texaco
Mars	Mississippi Canyon	807	2933	Shell
Auger (<i>TLP</i>)	Garden Banks	426*	2861	Shell Offshore
Brutus (<i>SS</i>)	Green Canyon	158	2841	Shell
Ram Powell	Viosca Knoll	912	2441	Shell Offshore
Garden Banks 260	Garden Banks	302	2411	Conoco
Popeye (<i>SS</i>)	Green Canyon	116*	2160	Shell
Cooper	Garden Banks	387-388	2080	EP Operating
(no prospect name)	Mississippi Canyon	445	2080	Oryx
Neptune	Viosca Knoll	826	1920	Oryx
Jolliet (<i>TLP</i>)	Green Canyon	184*	1760	Conoco Inc.
Petronius	Viosca Knoll	786	1754	Texaco
Thor	Viosca Knoll	825	1710	Oryx Energy Co.
Baldpate ¹	Garden Banks	260	1650	Amerada Hess
(no prospect name)	Mississippi Canyon	441*	1520	Ensearch
Tahoe (<i>SS</i>)	Viosca Knoll	783*	1494	Shell Offshore
Zinc (<i>SS</i>)	Mississippi Canyon	354*	1460	Exxon
Bullwinkle (<i>FP</i>)	Green Canyon	65*	1353	Shell
Pompano (<i>FP</i>)	Viosca Knoll	989-990*	1290	BP Exploration
Shasta	Green Canyon	136	1045	Texaco
Amberjack	Mississippi Canyon	109	1030	BP Exploration
Cognac (<i>FP</i>)	Mississippi Canyon	194*	1025	Shell
Lena (<i>CT</i>)	Mississippi Canyon	281*	1001	Exxon
FP = Fixed Platform CT = Compliant Tower TLP = Tension Leg Platform SS = Subseas System * Producing discovery ¹ Correction made since last issue (was Antioch in previous issue) as per Amerada Hess				

Deepwater Development Systems—Basic Options

- **Compliant Tower**—consists of a narrow, flexible tower and a piled foundation that can support a conventional deck for drilling and production operations. Unlike the fixed platform, the compliant tower can withstand forces by bending, and is usually used in water depths between 1,200 and 3,000 feet.
- **Fixed Platform**—consists of a jacket (a tall vertical section made of tubular steel members supported by piles driven into the seabed) with a deck placed on top, providing space for crew quarters, drilling rigs, and production facilities. The fixed platform is suitable for water depths up to 1,500 feet.
- **Floating Production System**—consists of a semi-submersible with drilling and production equipment anchored in place with wire rope and chain to allow for vertical motion and with wellheads located on the ocean floor connected to the surface deck with production risers designed to accommodate platform motion. The FPS is usually used in water depths up to 4,000 feet or more.
- **Subseas System**—ranges from single subsea wells producing to a nearby platform, FPS, or TLP to multiple wells producing through a manifold and pipeline system to a distant production facility. These systems are now used in water depths up to 3,000 feet, but in the future may be used in water depths to at least 7,000 feet.
- **Tension Leg Platform**—consists of a floating structure held in place by vertical, tensioned tendons connected to the sea floor by templates secured with piles. The tensioned tendons have the advantage of broad water depth range and limited vertical motion. TLP's can be used in water depths up to 7,000 feet.

Definitions from "Deepwater Development Systems" handout dated April 1995 from the Office of Public Affairs, Minerals Management Service, New Orleans, LA.

MMS Internet Home Page

Yes. MMS now has a home page on the Internet. Starting with this issue *Offshore Stats* will be available on the MMS worldwide website at <http://www.mms.gov>. In addition to these stats, there will be information about MMS programs, initiatives, and regulatory activities that may be of interest to you.

Historical Firsts—Onshore & Offshore

• First well drilled specifically for oil (Titusville, PA)	1859
• First jack-up drillship patent (Samuel Lewis)	1869
• First over-water well drilled (Summerland, CA)	1896
• First drilling mud used (Spindletop)	1900
• First GOM well drilled (Creole Field)	1938
• First GOM OCS exploratory well drilled	1946
• First offshore lease sale	1954
• Production from water depths exceeding 100 ft.	1955
• World's first drillship (<i>Cuss I</i>) (Santa Barbara Channel)	1956
• First subsea well drilled	1961
• First Pacific OCS exploratory well drilled	1963
• Birth to North Sea oil and gas industry with Ekofisk Field discovery	1969
• World's first offshore concrete gravity base structure (Beryl platform)	1975
• First Alaska OCS exploratory well drilled	1976
• First Atlantic OCS exploratory well drilled	1977
• First fixed platform installed beyond 1,000 ft. water depth	1979
• First artificial island built in the Arctic	1982
• First compliant guy-towered platform (in GOM)	1983
• First oil produced from beneath 2,000 ft. of water	1984
• First horizontal wells drilled offshore	1991
• 3D seismic data acquisition set global trend	1992
• First sub-salt discoveries in the U.S. Gulf	1993

Source: Pennwell Publishing Company

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Address: see below.

* Data in the tables and graphs reflect a cut-off date of Sept. 30, 1995.

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Allegheny	Green Canyon	254	3225	Exxon
Gemini	Mississippi Canyon	101	3393	Texaco
Mars	Mississippi Canyon	807	2933	Shell
Auger (<i>TLP</i>)	Garden Banks	426*	2861	Shell Offshore
Brutus (<i>SS</i>)	Green Canyon	158	2841	Shell
Ram Powell	Viosca Knoll	912	2441	Shell Offshore
Garden Banks 260	Garden Banks	302	2411	Conoco
Popeye (<i>SS</i>)	Green Canyon	116*	2160	Shell
Cooper	Garden Banks	387-388	2080	EP Operating
(no prospect name)	Mississippi Canyon	445	2080	Oryx
Neptune	Viosca Knoll	826	1920	Oryx
Jolliet (<i>TLP</i>)	Green Canyon	184*	1760	Conoco Inc.
Petronius	Viosca Knoll	786	1754	Texaco
Thor	Viosca Knoll	825	1710	Oryx Energy Co.
Antioch	Garden Banks	260	1650	Amerada Hess
(no prospect name)	Mississippi Canyon	441*	1520	Ensearch
Tahoe (<i>SS</i>)	Viosca Knoll	783*	1494	Shell Offshore
Zinc (<i>SS</i>)	Mississippi Canyon	354*	1460	Exxon
Bullwinkle (<i>FP</i>)	Green Canyon	65*	1353	Shell
Pompano (<i>FP</i>)	Viosca Knoll	989-990*	1290	BP Exploration
Shasta	Green Canyon	136	1045	Texaco
Amberjack	Mississippi Canyon	109	1030	BP Exploration
Cognac (<i>FP</i>)	Mississippi Canyon	194*	1025	Shell
Lena (<i>CT</i>)	Mississippi Canyon	281*	1001	Exxon
FP = Fixed Platform CT = Compliant Tower TLP = Tension Leg Platform SS = Subseas System				